Form PTO-1449 (Modified)	Atty Docket No. 4327P005	Application No.
List of Patents & Publications Statement	Applicant(s):	233
•	Liu He, et al.	13.s
	Filing Date:	Group No.:
(Use several sheets if necessary)	October 31, 2001	, vo

#### U.S. PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Name	Class	Sub- class	Filing Date (if appropriate)
	AA						
	AB	•					
	AC						
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	AE						
	AF						
	AG						
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#### FOREIGN PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Country	Class	Sub- class	Trans Yes	lation No
	AL							
	AM							
	AN	The second secon						
	AO							
	AP							
	AQ							

#### OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials		Document Identification
GBN AR		Belleville, P., et al., "A UV-cured sol-gel broadband antireflective and scratch-resistant coating for CRT," SPIE Vol. 3943, Sol-Gel Optics V (2000), pp. 67-71
	AS	Oliveira, P.W., et al., "General of wet-chemical AR-coatings on plastic substrates by use of polymerizable nanoparticles," SPIE Vol. 3136, pp.452-461.
V	AT	Floch, H.G., et al., "Sol-gel broadband antireflective coating for advanced laser-glass amplifiers," SPIE Vol. 2288, Sol-Gel Optics III (1994), pp. 14-24.

Examiner:

Date Considered:

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	4
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Application Number	10/001,639					
Filing Date	October 31, 2001					
First Named Inventor	Liu He					
Group Art Unit	1762					
Examiner Name	Not yet assigned					
Attorney Docket Number	4327P005					

1							U.S. PATENT DOCUMENTS		
	Exar Initi	niner als*	Cite No.1 Number Kind Code <sup>2</sup> (if known)		Name of Patentee or Applicant Ci		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Ó			<b>XX</b>	ŽI	4,944,962		Furuta et al.	07-31-1990	
		7	<b>EX</b>		4,273,826		McCollister et al.	06-16-1981	
OV	13	2007	9	1	4,286,024		Yoldas	08-25-1981	
		LUUZ	∴\$	)	4,476,156		Brinker et al.	10-09-1984	RECEIVE
			5		4,535,026		Yoldas et al.	08-13-1985	HEOLIVE
? 7	ADE	199			4,652,467		Brinker et al.	03-24-1987	NOV 1 5 2002
				<u> </u>	4,710,227		Harley et al.	12-01-1987	MONTOS
ı				1_	4,731,264		Lin et al.	03-15-1988	TC 1700
			1	)	5,198,267		Aharoni et al.	03-30-1993	10 1100
		١١	γ	/	5,476,717		Flock	12-19-1995	
					5,580,819		Li et al.	12-03-1996	
			1		5,622,784		Okaue et al.	04-22-1997	
					5,719,705		Machol	02-17-1998	
				/	3,989,609		Brack	11-02-1976	
					4,130,672		Onoki et al.	12-19-1978	
				$\sqrt{}$	4,172,156		Ritter et al.	10-23-1979	
				$\Box$	4,361,598		Yoldas	11-30-1982	
Į					4,966,812		Ashley et al.	10-30-1990	
			0		5,061,769		Aharoni	10-29-1991	
	A	S	8	7	5,858,526		Floch et al.	01-12-1999	

FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	1	
Initials*	No.1	Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T۴	
GRS/		JP	2-671			01-05-1990			
-4k		_J.P	51-1387			01-08-1976			
ــجــ		JP-	52-26382			02-26-1977—			
4		JP	54-23557		<u>-</u>	02-22-1979			
GRI		JP	56-86980			07-15-1981			
		JP	57-47330		_	03-18-1982	· · ·		
		JP	58-172245			10-11-1983			
		JР	58-211701			12-09-1983			
		JP	59-13201			01-24-1984			
V		JP	59-231501			12-26-1984			

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4 **Sheet** of

Complete if Known					
Application Number	10/001,639				
Filing Date	October 31, 2001				
First Named Inventor	Liu He				
Group Art Unit	1762				
Examiner Name	Not yet assigned				
Attorney Docket Number	4327P005				

		_		U.S. PATENT DOCUMENTS	3	
Examiner Initials*			Name of Patentee or Applicant Cite  When the control of Cited Document Cite  Cite of Cited Document Cite of Cited Document Cite of Cited Document Cited Cited Document Cited Cited Document Cited Cited Cited Document Cited C		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,178,955		Aharoni et al.	01-12-1993	
	<i>}</i> /	6,165,564		Crast et al.	12-26-2000	
2 2002	<u>Φ</u>	6,228,433	B1	Witt	05-08-2001	RECEIVE
3 2002 DEMIRE	3	6,232,360	B1	Meixner et al.	05-15-2001	The transfer of the second sec
	\$7	6,241,505	B1	Buazza et al.	06-05-2001	NOV 1 5 2002
DEMARK		954,010	T	Brunner et al.	01-04-1977	
		2,553,314		Haber	05-15-1951	TC 1700
		3,012,006		Holbrook et al.	12-05-1961	3 <del>3 3 3 0</del> C
		3,244,541		Fain et al.	04-05-1966	
		3,442,664		Heine	05-06-1969	
		3,579,540		Ohlhausen	05-18-1971	
		3,900,672		Hammond et al.	08-19-1975	
		3,959,563		Vaughn, Jr. et al.	05-25-1976	
		4,196,246		Takayama et al.	04-01-1980	
	Ì	4,267,213		Beck et al.	05-12-1981	
		4,338,377		Beck et al.	07-06-1982	
		4,410,563		Richter et al.	10-18-1983	
		4,599,272		Ichikawa	> 07-08-1986	
4		4,609,267		Deguchi et al.	09-02-1986	
RED.		5,225,244		Aharoni et al.	07-06-1993	

FOREIGN PATENT DOCUMENTS								
Examiner	Cite		Foreign Patent Documen	t	Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	T-6
Initials*	No.¹	Office		Kind Code <sup>5</sup> if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Tº
361.		JP	59-39714			03-05-1984		
1		JP	60-258190			12-20-1985		
		JP	61-130902			06-18-1986		
1.		JP	62-148902			07-02-1987		
V		JP	62-80603			04-14-1987		
		JP	63-214791			09-07-1988		
OBY		JP	63-228101		_	09-22-1988		
<b>)</b> /		JP	64-9222			01-12-1989		
		JP	64-86101			03-30-1989		
V		JP	1-149808			06-12-1989		1

Examiner Date Signature Considered 81

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Sheet	3	of	4
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Application Number	10/001,639					
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	U.S. PATENT DOCUMENTS											
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	Examiner Initials*	Cite No.¹	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
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	FOREIGN PATENT DOCUMENTS									
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Initials*	No.1	Office	<sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T⁰		
606		JP	1-239501			09-25-1989				
" "		JP	1-309003			12-13-1989				
		JP	2-2671			01-08-1990				
		JP	2-87101			03-28-1990				
		JP	2-130501			05-18-1990				
		JP	2-181701			07-16-1990				
		JP	2-197801			08-06-1990				
		JP	2-248480			10-04-1990				
, h		JP	3-148603			06-25-1991	· · · · · · · · · · · · · · · · · · ·			
W		JP	3-195757			08-27-1991				

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Sheet	4	of	4	Attorney Docket Number	4327P005		

1					U.S. PATENT DOCUMENTS					
	Examiner Initials*	Cite No.¹	U.S. Pater Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
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	FOREIGN PATENT DOCUMENTS										
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GRY		JP	4-72055			03-06-1992					
GN62		JP	3-266801			11-27-1991					
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Sheet 1 of

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			U.S. PATI	ENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Par		US-5,385,955	01-31-1995	Tarshiani et al.	
<u>'</u>		US-5,770,306	06-23-1998	Suzuki et al.	FEB 27 GROUP 1
V		US-6,245,428 B1	06-12-2001	Port et al.	1 J E
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·		US-			1027
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FOREIGN PATENT DOCUMENTS									
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Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ <sup>6</sup>			
6102	EP 0924537 A1 06-		06-23-1999	Aoyama et al.					
		EP 1022587 A1	07-26-2000	Yasuda et al.					
		WO 00/27931	05-18-2000	Yashiro et al.					

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